

Task and Control Graph

As the main data flow should go through MwMr, interconnecting the tasks should make a graph.

A Tcg is the overview of your application. It defines what are the instantiated tasks, and how they interact.

```
task_instance1 = Task("instance_name1", task_model1, { .. })
task_instance2 = Task("instance_name2", task_model2, { .. })
task_instance3 = Task("instance_name3", task_model3, { .. })

tcg = Tcg(task_instance_1,
          task_instance_2,
          task_instance_3)
```

It will probably be easier to do instantiation directly:

```
tcg = Tcg( Task("instance_name1", task_model1, { .. } ),
          Task("instance_name2", task_model2, { .. } ),
          Task("instance_name3", task_model3, { .. } ) )
```

Accessing data

If you need reference to a resource or a task instance later (for example for mapping), you may refer to them by name:

```
task_obj = tcg["instance_name1"]
mwmr_obj = tcg["fifo1"]
```